

INFORMATION SHEET
COLORADO

Rifle to Parachute Transmission Line Project

Transmission Engineering

The Rifle to Parachute Transmission Line Project requires the construction of a new overhead single circuit 230,000-volt (230-kV) electric transmission line. The proposed transmission line will originate at the existing Rifle Substation and will travel southwest for approximately 18 miles to the existing Parachute Substation. We are currently evaluating alternatives for the transmission line route with the Bureau of Land Management (BLM), Garfield County and the public.

The proposed line will consist of weathering steel H-frame structures supporting three conductors and two overhead groundwires (OHGW), which provide lightning protection. The structure heights range from 75-feet to 120-feet-tall and will be determined when the design is

finalized. Taller poles would be used for longer spans and crossing existing distribution lines when necessary. These heights will provide the necessary ground clearance for the conductor at mid-span. The proposed pole color is brownish rust and the conductor will be non-specular to reduce its reflectivity. Spans between the structures generally range from 600 feet to 1,300 feet depending on topography.

For this project, the right-of-way width will be 150 feet for the proposed configuration. The right-of-way would be trimmed and cleared of trees as necessary to meet National Electric Reliability Council standards for reliability. Dead trees outside of the right-of-way also may be cleared for added line protection.

Structure locations will be accessed on the ground during construction.

